TECHNICAL DETAILS & SPECIAL FEATURES

EXTREMELY HIGH EFFICIENCY
Up to 89% of efficiency, compliant with 80-PLUS® Bronze efficiency requirement .

COMPATIBLE WITH LATEST PC-TECHNOLOGY
Supports the newest specifications of ATX12V
Created for usage with current and next-generation multi-core CPU platforms.

SUPPORT MULTI-GPU TECHNOLOGY
Support PCI Express 2.0 next-generation graphic card with 8(6+2)pin PCI-E connector(A450/560/660/760)

HIGHEST DURABLE & RELIABLE JAPANESE CAPACITORS
The best solution for a High-End PSU by using Japanese capacitors, Japanese capacitors provide uncompromised performance and reliability.

ULTRA-QUIET & TEMPERATURE-CONTROLLED FAN
Extremely Low Noise Level, equipped with a large and ultra-quiet 120mm fan.

INTEGRATED AIR INLET DESIGN
Optimal air-dynamical design, lead to more silent operation

DYNAMIC DUAL 12V
Automatic dynamic load distribution on dual 12V line to provide power separately to the GPU and the CPU. If you are not using all output lines, the PSU automatically reroutes needed power from unused lines. This improves the performance of the 12V lines considerably for systems with high-end graphics cards in SLI® or CrossFire® mode, and provide high voltage stability to keep components safe.

ALL IN ONE CABLE
SATA and MOLEX-Connector on one cable, provides neat and convenient installation

COMPLIANT WITH LATEST EUROPEAN DIRECTIVE 2009/125/EC (ErP)
Energy consumption in Standby is < 0.5W, compliant with economy-friendly electrical equipment.

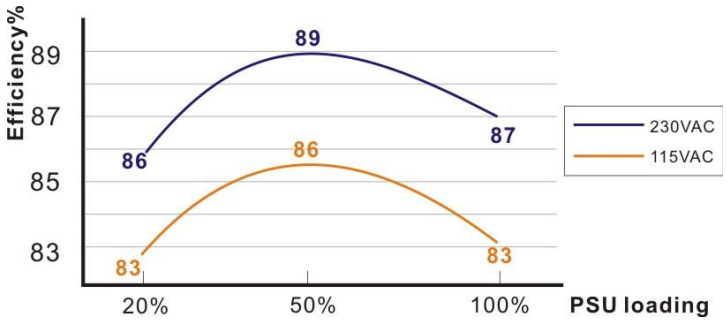
SUPPORTS THE ENERGY STAR 5.0
Compatible with Energy star 5.0 computer system.

FULL PROTECTIONS WITH OCP, SCP, OVP, UVP, OPP

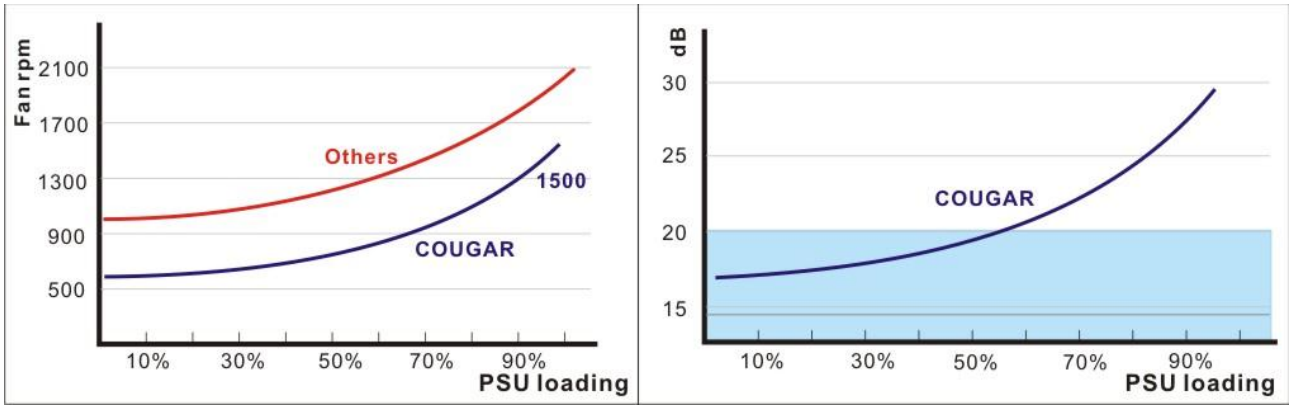
TECHNICAL DETAILS & SPECIAL FEATURES

80 PLUS BRONZE CERTIFICATION

Up to 89% of efficiency, compliant with 80-PLUS® BRONZE efficiency requirement . Due to the extremely high efficiency of the COUGAR® A-series you can reduce your electricity costs in spite of high performance



ULTRA-QUIET & TEMPERATURE-CONTROLLED FAN



All PSUs of the COUGAR® A-series are equipped with a large and very quiet 120mm fan(super low voltage & super low RPM), which adapts its rotating speed to the PSU temperature. Even on its highest rotating level the fan is still quiet enough to be barely noticeable.

SPECIFICATION

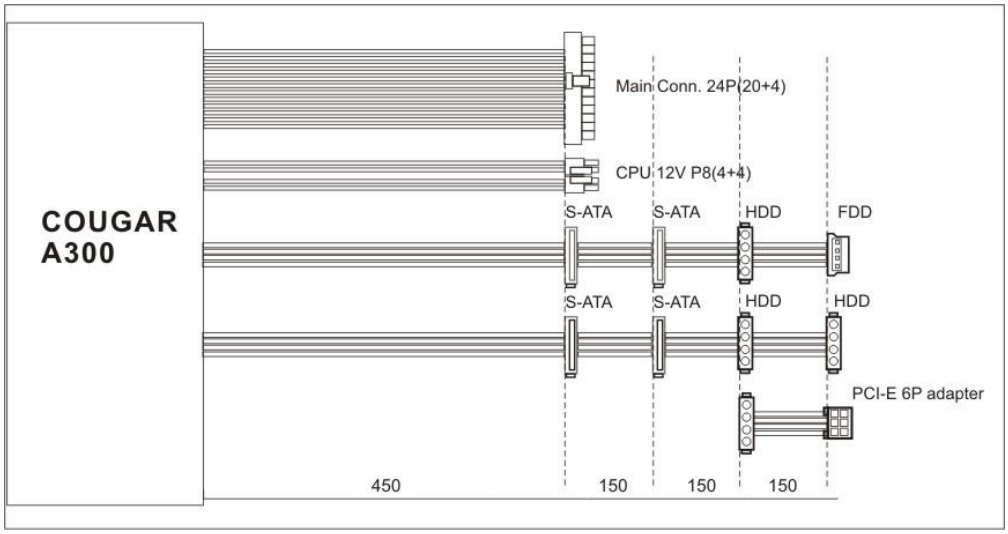
Rating

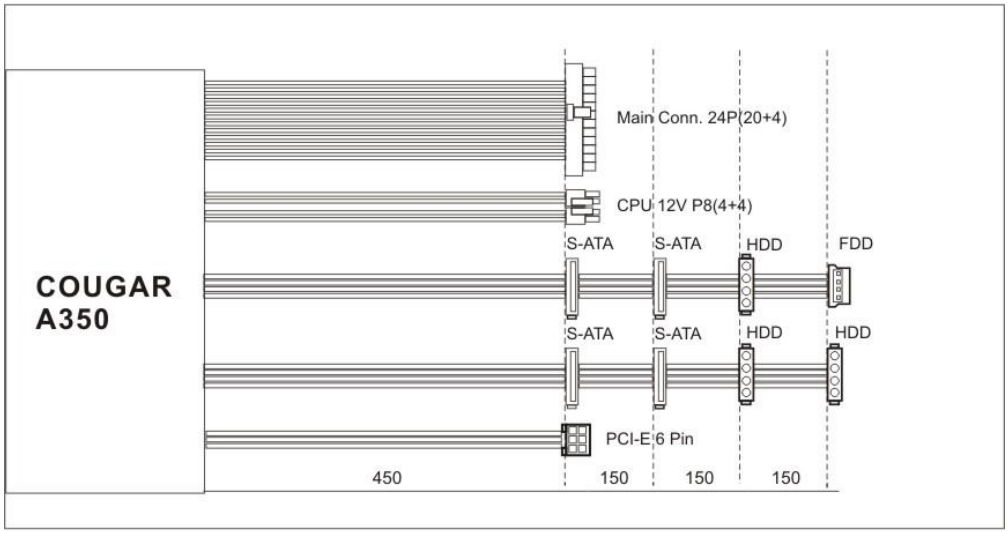
Item Name	AC Input			Output						
				+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb	Total output
A300	AC100- 240	50-60Hz	5A	21A	15A	11A	14A	0.3A	2.5A	300W
				103W		228W				
A350	AC100- 240		6A	21A	15A	14A	14A	0.3A	2.5A	350W
				103W		276W				
A400	AC100- 240		8A	24A	15A	20A	20A	0.3A	2.5A	400W
				120W		384W				
A450	AC110- 240		8A	24A	15A	22A	20A	0.3A	3A	450W
				120W		420W				
A560 CGR B3-560	AC110- 240		10A	24A	15A	28A	20A	0.3A	3A	560W
				120W		480W				
A660 CGR B3-660	AC100- 240		9A	24A	15A	30A	22A	0.3A	3A	660W
				130W		576W				
A760 CGR B3-760	AC110- 240		10A	24A	20A	30A	30A	0.3A	3A	760W
				150W		672W				

CABLES & CONNECTORS

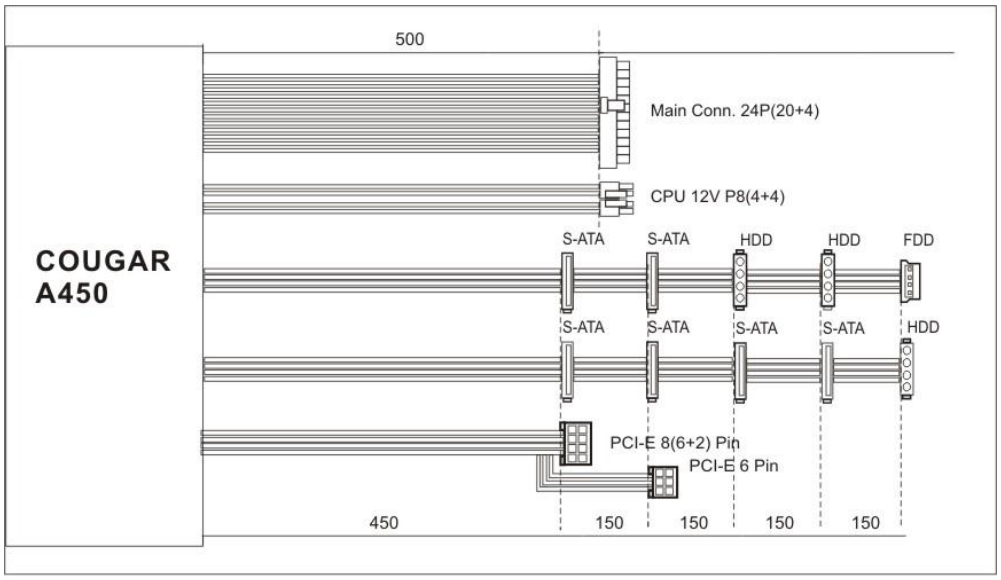
Model	Main connector	CPU connector	Floppy connector	Peripheral connector	S-ATA connector	PCI-E 6pin	PCI-E 6+2pin
A 300	1	4+4	1	3	4	1(adapter)	0
A 350	1	4+4	1	3	4	1	0
A 400	1	4+4	1	3	4	2	0
A 450	1	4+4	1	3	6	1	1
A 560	1	4+4	1	4	6	0	2
A 660	1	4+4 & 8	1	4	6	2	1
A 760	1	4+4 & 8	1	6	8	2	2

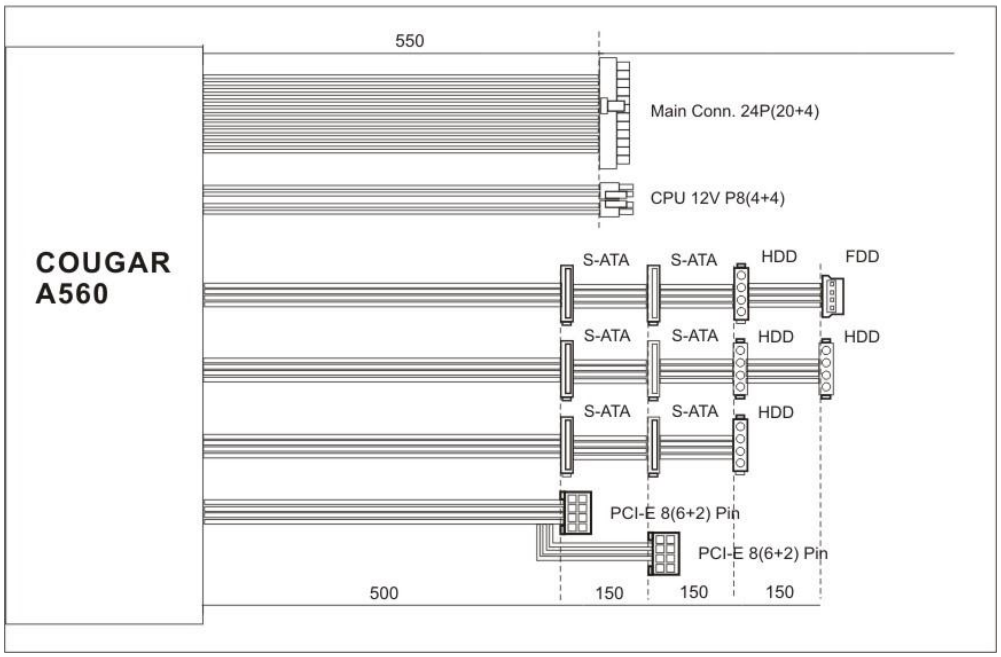
SPECIFICATION



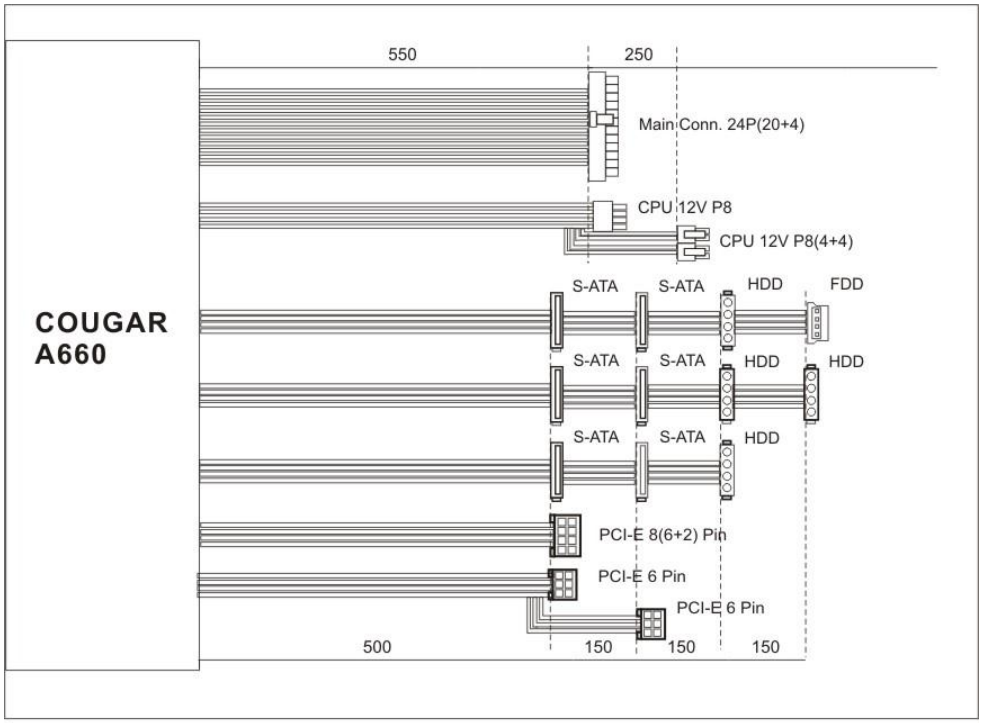


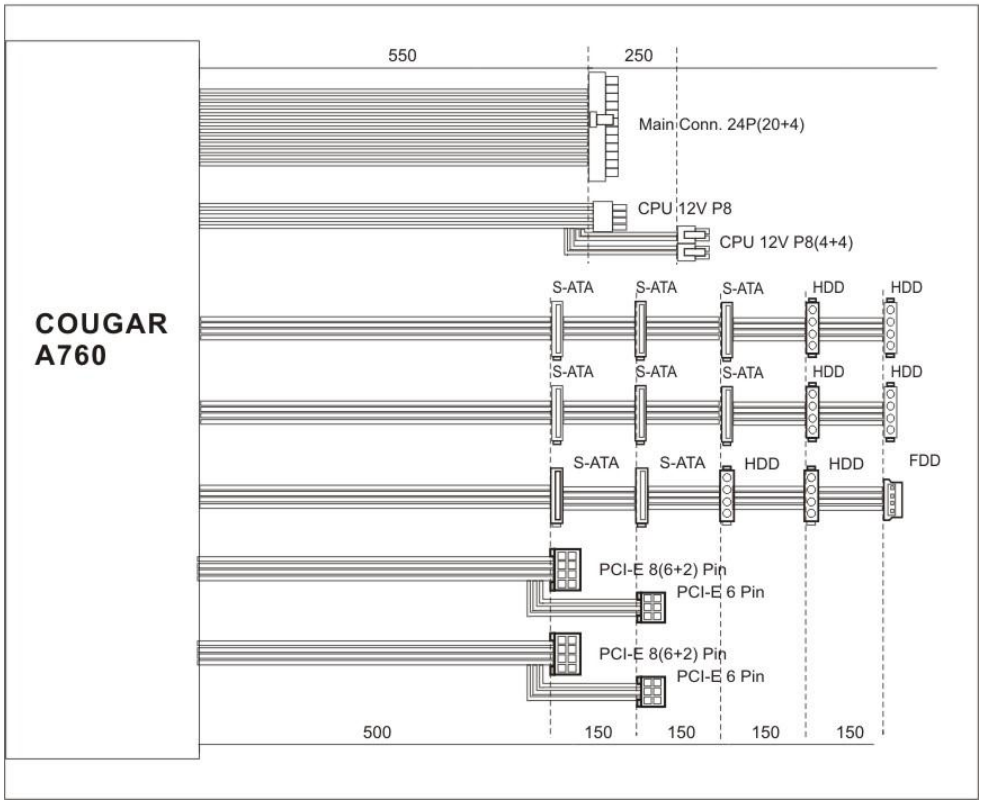
SPECIFICATION





SPECIFICATION





SPECIFICATION

DIMENSIONS

Dimension (L*W*H) mm	140 x 150 x 86

SAFETY FUNCTIONS

UVP (Undervoltage protection)

If the voltages fall below a certain tolerance value on the single lines, the PSU automatically switches off.

OVP (Overvoltage protection)

If the voltages increase above a certain tolerance value on the single lines, the PSU automatically switches off.

SCP (Short-circuit protection)

In the case of a short-circuit this feature prevents damage to the core components of the PSU and its system components.

OPP (Overload protection)

If the system is oversized and requires more power from the PSU than it can perform, this protection function is activated.

OCP (Overcurrent protection)

If the load on a single line is higher than indicated, the PSU automatically switches off.

SAFETY & EMI CERTIFIED: